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## INFORMATION REPORT INFORMATION REPORT

### CENTRAL INTELLIGENCE AGENCY

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COUNTRY USSR (Moscow Oblast)

REPORT

SUBJECT 1. The Institute of Biological and Medical Chemistry  
2. The Moscow Institute of Pharmacology

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

Two reports on medical institutes in Moscow

Attachment 1 concerns the Institute of Biological and Medical Chemistry and contains general information on the staff, projects, research study, and location of this institute. Attachment 2 includes information on the entrance requirements, class schedules, curriculum, and an evaluation of the training received at the Moscow Institute of Pharmacology.

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**MOSCOW INSTITUTE OF PHARMACOLOGY**General

1. [redacted] the Moscow Institute of Pharmacology (Moskovskiy Farmatsevticheskiy Institut) [redacted] was located on Mintzkiy bulvar No. 13, Moscow. The Institute was under the administration of the Ministry of Health. [redacted] the Institute was related to other scientific institutes and research centers such as those conducted by the Academy of Science, [redacted]. The director of the Institute during this period was (fn) KOWRBUHA.1.

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Entrance Requirements

2. Completion of the following subjects was prerequisite for enrollment at the Moscow Institute of Pharmacology: physics, chemistry, Russian grammar and Russian literature. Student candidates who had received high grades in these subjects were selected for training at the Institute, [redacted]

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3.

Class Schedules and Extra-Curricular Activities

4. Classes were held from 0830 hours until 1400 hours, six days weekly. No night classes were offered. Class periods usually lasted one and one-half hours. After class, students were encouraged to devote several hours to work in the Institute laboratories under the supervision of a professor, or to attend special study groups. Recreational activities included movies, reading, skiing, and other sports.

Curriculum

5. [redacted] the courses offered at the Moscow Pharmaceutical Institute did not include studies related to biological, chemical, or radiological warfare. [redacted]

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[redacted] the following courses of study [redacted]  
[redacted] at the Institute:

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**First Year:** Physics  
Chemistry (general)  
Mathematics  
Latin  
Anatomy  
Military Studies (first-aid, sanitation, etc.)

**Second Year:** Analytic chemistry  
Organic chemistry  
Physics  
Biochemistry  
Pharmacognosy  
Physiology  
Marxism

**Third Year:** Pharmacology  
Analytic Chemistry  
Organic Chemistry  
Microbiology  
Physics  
Technology

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Fourth Year: Forensic Chemistry  
Pharmacology  
Organization of pharmaceutical work  
Technology

6. [ ] it was not necessary to attend all of the scheduled lecture hours. The length of time required for outside preparation varied with each subject. [ ] two hours per subject was the maximum length of time ever devoted to preparation for daily classes.

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7. [ ] 50X1-HUM

#### Research

8. [ ] no research projects at the Institute which were concerned with biological, chemical or radiological warfare or atomic medicine.

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#### Medicinal Compounds

9. [ ] all compounds necessary to the production of various medicines were available in the USSR and [ ] not [ ] any type chemicals or medicines [ ] were imported. [ ] a recently developed bitter-tasting anti-biotic, "chlormycetin" [ ] was very effective in the treatment of digestive disorders and dysentery. This medicine was prepared in powder form and was soluble in milk, water, or fruit juice.

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10. [ ]  
[ ] Respiratory infections and dysentery were the most common diseases contracted in the Moscow area.

#### Civil Defense

11. [ ] the institutes of higher learning were little concerned with civil defense programs or instruction. Special groups instructed in the enforcement of civil defense measures had been formed at the Institute, [ ]

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#### Evaluation of VUZ Training

12. [ ] students did not consider their VUZ training courses as being difficult. Emphasis on specialization occurred during the last year [ ] and then only in a limited sense. In the [ ] scientific and technical fields, [ ] the courses of instruction did not demand intensive study nor an understanding of the basic theories relative to the particular subjects. The staff of the Institute was well qualified to instruct the respective courses and the materials and equipment used during the class periods were adequate.

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Attachment

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the VUZ instruction should have included more examples of the practical application of the concepts studied in the classroom, since under the described curriculum the degree of practical knowledge of the pharmacological graduate depended upon the individual's initiative and application.

1. Comment:

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The address of the Moscow Institute of Pharmacology is

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Suvorovskiy Bulvar 13. The name of the director as supplied might be a corrupted spelling of the director's name, V.I. Dobrynina,

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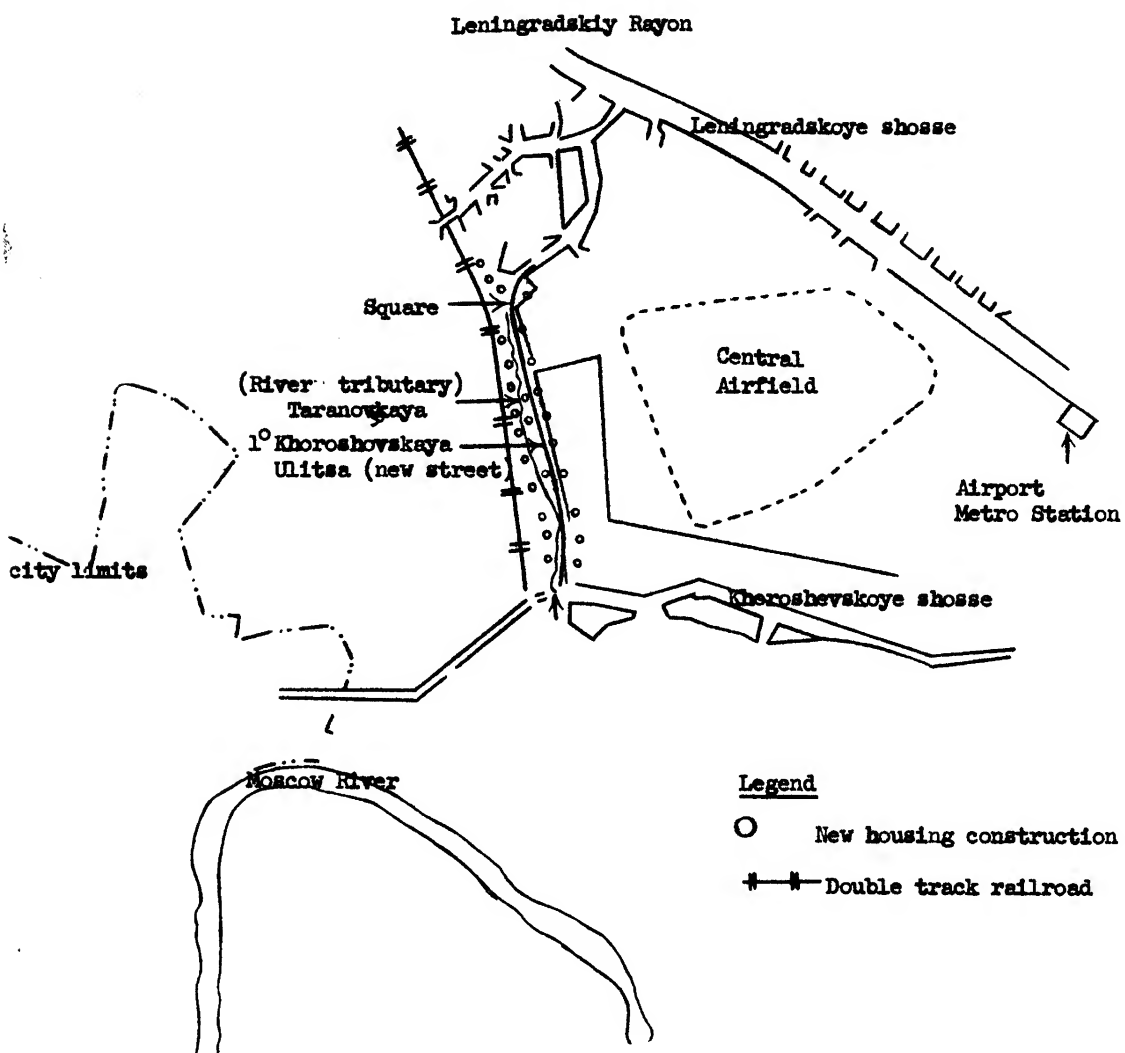
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Overlay of Living Area  
Moscow City Map - 1951  
Scale: 1:35,000

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## INSTITUTE OF BIOLOGICAL AND MEDICAL CHEMISTRY

General

1. [redacted] the Institute of Biological and Medical Chemistry (Institut Biologicheskaya Meditsinskaya Khimia), Pogodinskaya ulitsa 10, Frunzenskiy rayon, Moscow, [redacted] The Institute was a research installation under the administration of the Academy of Medical Sciences. [redacted] 50X1-HUM
2. In addition to the Institute of Biological and Medical Chemistry, the Institute of Medicine and several other institutes were located in a large building. The front section was three stories high and the rear section of the building was four stories high. (See [redacted] sketch of the Institute building plan, page 4.) The Institute of Medicine was the largest section in the building and occupied the entire four-story section of the institute. [redacted] 50X1-HUM
3. A large, completely equipped laboratory was located in the Institute of Biological and Medical Chemistry. Supplies, chemicals, and Russian-made equipment were readily available to personnel utilizing the Institute laboratory. [redacted] 50X1-HUM

Entrance Requirements

4. [redacted] no particular courses had to be completed to be admitted to the Institute. The only requirement for admission was that the applicant must have a university degree. [redacted] 50X1-HUM

Institute Staff and Personnel

5. [redacted] The director of the Institute was assisted by five or six specialists or professors of biochemistry and physical chemistry. There were about 100 research personnel who worked under the direction of the five or six assistant directors. The [redacted] doctorate candidates were assisted by laboratory technicians. [redacted] 50X1-HUM
6. [redacted] three of the Institute supervisory personnel: Vladimir Iosifovich MAYMIND, director; Mikhail Mikhailovich SHENYAKIN, organic chemist; and (fnu) BROUNSHTEIN, a biochemist. [redacted] 50X1-HUM

Research Projects

7. Biochemistry was the most emphasized research field and synthesis of albumen (protein synthesis) appeared to be a priority research project [redacted] outstanding work in cancer and tuberculosis research had been accomplished at the Institute no further details concerning these projects. [redacted] 50X1-HUM

8. [redacted] 50X1-HUM

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9.

10.

11.

Comment

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1. BROUNSHTEIN, fmu, is probably identical with Prof. A. Ye. BRAUNSHTEYN, director of the Laboratory of Nitrogen Metabolism at the Institute of Biological and Medical Chemistry, [REDACTED]

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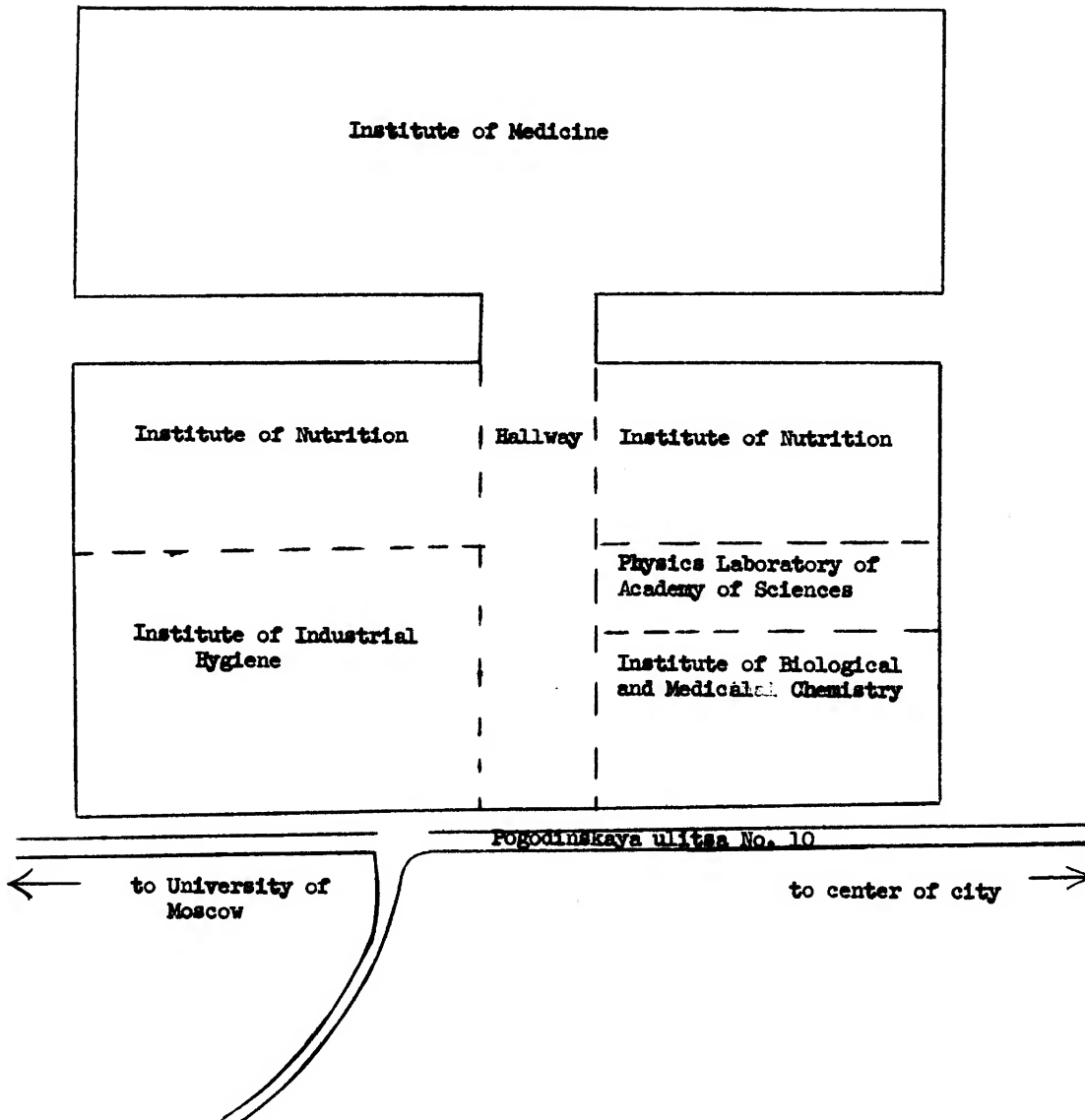
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sketch of Building  
containing Institute of  
Biological and Medical  
Chemistry and Related Scientific  
Institutes

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